

ABSTRACT

In an adaptive modulation communication system that adaptively varies a modulation scheme for each transmit
5 unit, a transmitting-side apparatus sets different error
detecting units corresponding to bit position, and
transmits data subjected to error detecting processing
on a different error detecting unit basis corresponding
to bit position, and a receiving-side apparatus performs
10 demodulation independently for each of the error
correcting units using different demodulation patterns
to obtain received data.